

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of sending first data from a first device to a destination device via a network to which a plurality of second devices are also connected, said first device being connected to a data session in a session/transport layer of the network, said data session of the session/transport layer of the network having a first session topology which defines a first set of one or more of said second devices to which data may be directly addressed from said first device in said session/transport layer, said method comprising the acts of:

 joining an audio session in an audio layer of the network, said audio session having a second session topology which defines a second set of one or more of said second devices to which data may be directly addressed from said first device in said audio layer, the session topology of the audio session in said audio layer being different from the session topology of the data session in said session/transport layer such that said second set of devices to which data may be directly addressed from said first device in said audio session of said audio layer is different from said first set of devices to which data may be directly addressed from said first device in said session of said session/transport layer, said destination device being a member of said audio session, wherein the audio layer exposes an application programming interface (API) to the session/transport layer to establish a link with the session transport layer;

 creating a first data package which contains:

(a) said first data; and

(b) a header;

addressing said first data package to said destination device in accordance with the session topology of said audio session of said audio layer; and

sending said first data package to said destination device via said data session of said session/transport layer.

2. (Previously Presented) The method of claim 1, wherein said first device is communicatively coupled to a microphone, and wherein said method further comprises: capturing said first data using said microphone.

3. (Previously Presented) The method of claim 1, wherein said destination device is not one of said second devices to which said first data can be directly addressed in said data session of said session/transport layer, and wherein said sending act comprises:

appending a header to said first data package which indicates that said first data package is to be delivered to said destination device; and

sending said first data package to a host device in said session/transport layer different from said destination device, said host device being a member of said first set.

4. (Canceled)

5. (Original) The method of claim 3, further comprising the acts of:

in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and

said host device sending to said destination device a mixed stream comprising said first data and said second data.

6. (Original) The method of claim 3, further comprising the acts of:

in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and

said host device sending said first and second data packages separately to said destination device.

7. (Original) The method of claim 1, wherein said sending act comprises sending said first data package using non-guaranteed delivery.

8. (Currently Amended) One or more computer-readable storage media having computer-executable instructions to perform a method of sending first data from a first device to a destination device via a network to which a plurality of second devices are also connected, said first device being connected to a data session in a session/transport layer of a network, said data session of the session/transport layer of the network having a first session topology which defines a first set of one or more of said second devices to which data may be directly addressed from said first device in said session/transport layer, said method comprising the acts of:

joining an audio session in an audio layer of the network, said audio session having a second session topology which defines a second set of one or more of said second devices to which data may be directly addressed from said first device in said audio layer, the session topology of the audio session in said audio layer being different from the session topology of the data session in said session/transport layer such that said second set of devices to which data may be directly addressed from said first device in said audio session of said audio layer is different from said first set of devices to which data may be directly addressed from said first device in said session of said session/transport layer, said destination device being a member of said audio session, wherein the audio layer exposes an application programming interface (API) to the session/transport layer to establish a link with the session transport layer;

creating a first data package which contains:

- (a) said first data; and
- (b) a header;

addressing said first data package to said destination device in accordance with said session topology of said audio session of said audio layer; and
sending said first data package to said destination device via said data session of said session/transport layer.

9-63 (Canceled)

64. (Previously Presented) The one or more computer-readable storage media of claim 8, wherein said device is communicatively coupled to a microphone, and wherein said method further comprises:

capturing said first data using said microphone.

65. (Previously Presented) The one or more computer-readable storage media of claim 8, wherein said destination device is not one of said second devices to which said first data can be directly addressed in said data session of said session/transport layer, and wherein said sending act comprises:

appending a header to said data package which indicates that said data package is to be delivered to said destination device; and

sending said data package to a host device in said session/transport layer different from said destination device, said host device being a member of said first set.

66. (Previously Presented) The one or more computer-readable storage media of claim 65, wherein said destination device is a member of said first set.

67. (Previously Presented) The one or more computer-readable storage media of claim 65, wherein said method further comprises the acts of:

in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and

said host device sending to said destination device a mixed stream comprising said first data and said second data.

68. (Previously Presented) The one or more computer-readable storage media of claim 65, wherein said method further comprises the acts of:

in said host device, receiving a second data package from a second device, said data package comprising: (a) second data; and (b) a header which indicates that said data package is to be delivered to said destination device; and

said host device sending said first and second data packages separately to said destination device.

69. (Previously Presented) The one or more computer-readable storage media of claim 8, wherein said sending act comprises sending said first data package using nonguaranteed delivery.

70. (Previously Presented) A method of sending first data from a first device to a destination device via a network to which a plurality of second devices are also connected, said first device being connected to a data session in a session/transport layer of the network, said data session of the transport/session layer of the network having a first session topology that comprises one of either a peer-to-peer session topology or a client-server topology and which defines a first set of one or more of said second devices to which data may be directly addressed from said first device in said data session of the session/transport layer, said method comprising the acts of:

joining an audio session in an audio layer of the network, said audio session of the audio layer having a second session topology that is different from the session topology of the data session of the session/transport layer and comprises one of either a peer to-peer topology, a forwarding topology, a mixing topology or an echo topology and which defines a second set of one or more of said second devices to which data may be directly addressed from said first device in said audio session of said audio layer, said second set of devices to

which data may be directly addressed from said first device in said audio session of said audio layer being different from said first set of devices to which data may be directly addressed from said first device in said data session of said session/transport layer, said destination device being a member of said second set, wherein the session/transport layer and the audio layer each exposes a respective application programming interface (API) to the other layer, and wherein the two layers establish a link between them by providing each other with pointers to their respective APIs;

creating a first data package which contains:

- (a) said first data; and
- (b) a header;

addressing said first data package to said destination device in accordance with said session topology of said audio session of said audio layer; and sending said first data package to said destination device via said data session of said session/transport layer.